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Subject: If EWA were in place

Lester

Some additional thoughts to Dave Fullerton's memo on EWA actions that we might have used to protect Delta Smelt.

Assuming that this situation occurred near the beginning of Stage 1, EWA assets would consist of Money (in our games assumed \$40 to \$50 M/yr) and access to existing facilities:

EWA would have secured long-term water purchases or lease options upstream and south of the Delta . With a priority on the San Joaquin and south of the Delta. Spot market short term purchases would also have be exercised. EWA would have the experienced, rules, and contracts established for:

- Priority of use of existing storage and conveyance facilities.
- Increased extraction capabilities from groundwater basins, south of the Delta.
- Demand shifting capabilities between EWA and users and user to user.
- Ability to move assets and debt upstream and downstream of the Delta.
- Streamlined water transfer capabilities.
- Coordination with habitat in south Delta.
- Forecasts of hydrological and biological conditions with contingency game plans
- Integrated real-time monitoring program worth CMARP.

As the EWA is established and gains experience in these capabilities, EWA would have started taking action (as we did in the games) as soon as the Smelt problem started developing. The purpose of the action would to be add incremental protection and start providing makeup water to users south of the Delta in such a way that we string out the hit to water users. This make up could have come from EWA's south of Delta purchases, groundwater, or demand shifting (as we are now doing with MWD on Castaic). EWA could have also used more water that in the account (went into debt) and then backed up the debt into upstream reservoirs, like Shasta, Oroville, Folsom, Faint.

The point is that a functioning EWA would have experience with these tools and could apply them quickly in an unusual situation which may in the future occure more often than we would like.
Ron

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